BRUHAT BANAGLORE MAHANAGARA PALIKE

Executive Engineer-Byatarayanapura Division

Detailed Estimate

Name of Work:Improvements to Roads and drains at saraipalya and surrounding areas in Ward No.06 Byatarayanapura Sub division

			Estimate Amount :				**5000000.00**		
Sl. No.	**Particulars**	**Unit / Rate**	**Nos**	**L in m**	**B in m**	**D in m**	**Quantity**	**Rate in Rs**	**Total Amount in Rs**
				CIVIL WORKS					
1	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **(Page No141., I.No.19.1 of KPWD S.R 2015-16).**								
		Cum							
	Desilting								
	Mninagappa layout								
	1st main		2	350	0.45	0.250	78.75		
	1st cross		2	200	0.45	0.300	54.00		
							132.75	**83.16**	**11039.00**
2	**Providing granite slabs** of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 10cm thick**(Page No 25., I.No.5.31.2 of KPWD S.R 2015-16).**								
		Sqm							
	BS L'Shaped drain								
	Mninagappa layout								
	1st cross		2	85	1.20		204.00		
	2nd cross		2	85	1.20		204.00		
	3rd cross		2	100	1.20		240.00		
	4th cross		2	85	1.20		204.00		
	BOX drain								
	1st main		2	60	1.65		198.00		
	2nd main		2	160	1.20		384.00		
							1434.00	**794.88**	**1139858.00**
3	KSRRB 300-1. **Earthwork excavation** by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **(Page No141., I.No.19.1 of KPWD S.R 2015-16).**								
		Cum							

	BS L'Shaped drain								
	Mninagappa layout								
	1st cross		2	85	0.60	0.450	45.90		
	2nd cross		2	85	0.60	0.450	45.90		
	3rd cross		2	100	0.60	0.450	54.00		
	4th cross		2	85	0.60	0.450	45.90		
	BOX drain								
	1st main		2	60	0.60	0.450	32.40		
	2nd main		2	160	0.60	0.500	96.00		
						Total	**320.10**	**83.16**	**26620.00**
	ROAD WORKS								
4	KSRRB M300-14. **Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum** bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301**(Page No 142., I.No.19.14 of KPWD S.R 2015-16).**								
	Mninagappa layout								
	1st cross		1	85	3.50	0.250	74.38		
	2nd cross		1	85	3.50	0.250	74.38		
	3rd cross		1	100	3.50	0.250	87.50		
	4th cross		1	85	3.50	0.250	74.38		
	1st main		1	100	3.75	0.250	93.75		
	1st cross		1	50	4.00	0.250	50.00		
	2nd cross		1	50	4.00	0.250	50.00		
	3rd cross		1	50	4.00	0.250	50.00		
		Cum				**Total**	**554.38**	**48.60**	**26943.00**
5	KSRRB 300-58. **Compaction of original ground** with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 **(Page No 148., I.No.19.64 of KPWD S.R 2015-16).**								
		Sqm							
	Mninagappa layout								
	1st cross		1	85	3.50		297.50		
	2nd cross		1	85	3.50		297.50		
	3rd cross		1	100	3.50		350.00		
	4th cross		1	85	3.50		297.50		
	1st main		1	100	3.75		375.00		
	1st cross		1	50	4.00		200.00		
	2nd cross		1	50	4.00		200.00		
	3rd cross		1	50	4.00		200.00		
							2217.50	**4.86**	**10778.00**

6	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2. No. 12/ Item No. 4.3/ PWD SR 2015-16								
		Cum							
	Mninagappa layout								
	1st cross		1	85	3.50	0.150	44.63		
	2nd cross		1	85	3.50	0.150	44.63		
	3rd cross		1	100	3.50	0.150	52.50		
	4th cross		1	85	3.50	0.150	44.63		
	1st main		1	100	3.75	0.150	56.25		
	1st cross		1	50	4.00	0.150	30.00		
	2nd cross		1	50	4.00	0.150	30.00		
	3rd cross		1	50	4.00	0.150	30.00		
							332.63	**5070.60**	**1686609.00**
7	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2015-16								
		Cum							
	Mninagappa layout								
	1st cross		1	85	3.50	0.100	29.75		
	2nd cross		1	85	3.50	0.100	29.75		
	3rd cross		1	100	3.50	0.100	35.00		
	4th cross		1	85	3.50	0.100	29.75		
	1st main		1	100	3.75	0.100	37.50		
	1st cross		1	50	4.00	0.100	20.00		
	2nd cross		1	50	4.00	0.100	20.00		
	3rd cross		1	50	4.00	0.100	20.00		
							221.75	**6332.04**	**1404130.00**
8	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2015-16								
		Sqm							
	Mninagappa layout								
	1st cross		1	85	3.50		297.50		
	2nd cross		1	85	3.50		297.50		
	3rd cross		1	100	3.50		350.00		

	4th cross		1	85	3.50		297.50		
	1st main		1	100	3.75		375.00		
	1st cross		1	50	4.00		200.00		
	2nd cross		1	50	4.00		200.00		
	3rd cross		1	50	4.00		200.00		
							2165.00	**97.20**	**210438.00**
9	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoc & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials,. Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. No. 187/ Item No. 22.7/ PWD SR 2015-16								
		mtrs							
	Mninagappa layout								
	1st cross		9	3.50			31.50		
	2nd cross		9	3.50			31.50		
	3rd cross		9	3.50			31.50		
	4th cross		9	3.50			31.50		
	1st main		11	3.75			41.25		
	1st cross		5	4.00			20.00		
	2nd cross		5	4.00			20.00		
	3rd cross		5	4.00			20.00		
							227.25	**138.24**	**31416.00**
10	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,								
		Cum							
				Qty Vide Item No.			534.75		
							534.75	**73.36**	**39230.00**
	Sub Total								**4586566.0**
11	For8% KRIDL Charges								**366925.00**
12	For 1% PMC/Third party inspection charges								**45866.00**
13	Miscllenous and other charges								**643.0**
	Grand Total								**5000000.0**

Certificate:-

1. That the workspot inspected by me and found work is necessary.
2. That the area comes with in the Bruhat Bangalore Mahanagara Palike Limits.
3. That the rates are adopted based on the PWD SR of 2015-16
4. That the provisions made in the estimate are necessary and quite essential.

ADMINISTRATIVELY SANCTIONED FOR Rs 50.00 ..... 5000000.0
Rupees fifty lakhs only
Under P-1878
Regd.....
Subject to conditions contained in enclosed memo EE ( ) PK ... 19/...
Dt.....
dated.....

Asst. Engineer
Ward No-6
BBMP

AEE
Byatarayanapura Sub Division
BBMP

Executive Engineer 4/9/16
Byatarayanapura Division
BBMP

Technical Sanction
Accorded For 50.00 Lakh BBMP
Head of A/C P1878
CER NO : 66 Dt: Dt:21.10.16

TA CE (YNK)

Joint Commissioner
(Yelahanka Zone)
BBMP Bengaluru-92